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Revised

**CITY OF RIVERSIDE**  
**HUMAN RESOURCES DEPARTMENT**  
**CLASSIFICATION SPECIFICATION**

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**TITLE:** **UTILITIES TRANSFORMER TECHNICIAN I**  
**UTILITIES TRANSFORMER TECHNICIAN II**

**DEFINITION**

Under direct supervision, to perform skilled technical work in the maintenance and repair of electric transformers, regulators, controllers, and capacitors; to conduct regular checks of safety equipment used in electrical field operations; and to do related work as required.

**DISTINGUISHING CHARACTERISTICS**

The Utilities Transformer Technician I is entry level work in the transformer shop. Incumbents receive daily instruction and training from a Utilities Transformer Technician II. Utilities Transformer Technician I's are considered to be on a training status and as assigned responsibilities and knowledge increase and they demonstrate the ability to perform the more complex duties of the job, they may expect their position to be reassigned to the journey level class of Utilities Transformer Technician II.

**REPORTS TO:** Utilities Electric Operations Manager

**SUPERVISION RECEIVED AND EXERCISED**

Receives direct supervision from the Utilities Electric Operations Manager. Utilities Transformer Technicians II may exercise some lead supervision over Utilities Transformer Technician I's as assigned.

**EXAMPLES OF DUTIES**

Typical duties may include, but are not limited to, the following:

- Maintain, test and repair a variety of electrical equipment including transformers, regulators, controller, capacitors and oil switches using specialized tools and testing equipment.
- Oil test all oil filled equipment.
- Conduct regular and frequent safety checks of equipment used in electrical field operations such as rubber gloves and blankets; repair or discard unsafe equipment.
- Maintain shop records of system transformers, capacitors, regulators, PCB oil tests and inventory.

**QUALIFICATIONS**

Utilities Transformer Technician I

**Knowledge of:**

- Principles and practices of electrical theory as applied to the operation and maintenance of electrical equipment.
- Occupational hazards and standard safety precautions necessary in the work.

**Ability to:**

- Understand and carry out moderately complex oral and written instructions and to read, interpret and prepare schematic diagrams.
- Use and care for tools and electrical testing equipment.
- Work overtime as required.

**Education and Experience:**

Any combination of experience and education that would likely provide the required knowledge and abilities is qualifying. A typical way to obtain the knowledge and abilities would be:

Education: Equivalent to completion of twelfth grade.

Experience: One year of experience in electrical maintenance work.

**MEDICAL CATEGORY:** Group 2

**NECESSARY SPECIAL REQUIREMENT**

Possession of, or ability to obtain, an appropriate, valid Class "A" California Motor Vehicle Operator's License with hazardous materials, tanker, air brake and manual transmission endorsements.

**QUALIFICATIONS**Utilities Transformer Technician II**Knowledge of:**

- Principles and practices of electrical theory as applied to the operation and maintenance of transformers and related equipment and the ability to apply this knowledge to specific work problems.
- Methods, materials, tools and testing equipment used in the maintenance and repair of transformers and related equipment.
- Methods and procedures for the special handling, storage and preparation for transportation of hazardous materials.
- Occupational hazards and standard safety precautions necessary in the work.

**Ability to:**

- Understand and carry out moderately complex oral and written instructions and to read, interpret and prepare schematic diagrams.
- Locate, correct and adjust defects in electrical transformers and related equipment.
- Use and care for tools and electrical testing equipment.
- Work overtime as required.

**Education and Experience:**

Any combination of experience and education that would likely provide the required knowledge and abilities is qualifying. A typical way to obtain the knowledge and abilities would be:

Education: Equivalent to completion of twelfth grade.

Experience: Two years of experience in the testing and repair of transformers or related electric utility equipment.

**MEDICAL CATEGORY:** Group 2

## **NECESSARY SPECIAL REQUIREMENT**

Possession of, or ability to obtain, an appropriate, valid Class "A" California Motor Vehicle Operator's License with hazardous materials, tanker, air brake and manual transmission endorsements.

## **CAREER ADVANCEMENT OPPORTUNITIES**

**FROM:** Utilities Transformer Technician I

**TO:** Utilities Transformer Technician II

**TO:** Utilities Electric Supervisor or Utilities Substation Construction/Maintenance Supervisor